

## **Features**

- InGaAs/InP PIN Photodiode
- Sensitive receiver at 1310nm and 1550nm
- Low dark current
- Fast pulse response
- -40~85°C operating temperature
- Hermetically sealed 3-pin metal case

## **Packaging**

- FC/ST/SC Receptacle packaged
- SM/MM fiber pigtailed with optional FC/ST/SC connector

### Application

• RoHS compliant available

Absolute Maximum Ratings (Tc=25°C)							
Parameter	Symbol	Value	Unit				
Supply Reverse Voltage	$V_R$	20	V				
Forward Current	I <sub>F</sub>	2	mA				
Reverse Current	I <sub>R</sub>	1	mA				
Operating Temperature	Topr	-40 ~ 85	°C				
Storage Temperature	T <sub>stg</sub>	-40 ~ 85	°C				

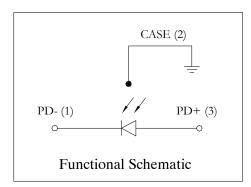
## (All optical data refer to a coupled 9/125µm SM fiber, 50/125µm MM fiber and 62.5/125µm MM fiber)

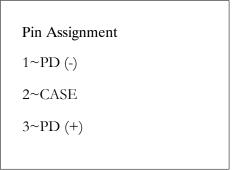
Optical and Electrical Characteristics (Tc=25°C)							
Parameter	Symbol	Min	Тур	Max	Unit	Test Conditions	
Active Area (Dia)		-	55	-	μm	-	
Detection Range		1100	1310	1650	nm	-	
Responsivity	R	0.8	0.85	-	A/W	V <sub>R</sub> =5V, λ=1310nm	
Dark Current	l <sub>dark</sub>	-	-	0.7	nA	V <sub>R</sub> =5V	
Capacitance	С	-	-	0.7	рF	V <sub>R</sub> =5V	
Rise / Fall Time	T <sub>r</sub> / T <sub>f</sub>	-	-	0.3	ns	V <sub>R</sub> =5V, 10%~90%	
Bandwidth	BW	3	-	-	GHz	V <sub>R</sub> =5V	

Note: 1.Pin assignment can be customized.

2. Specifications subject to change without notice.

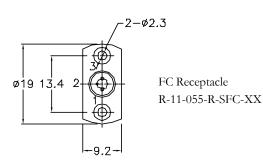
## Pin Assignment

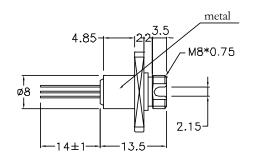


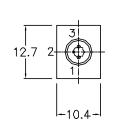


**Packaging Dimension** 

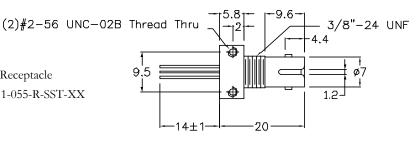
## **PIN TIA Receiver Module-Receptacle** Part Number: R-11-055-R-SXX-XX

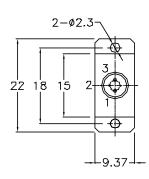




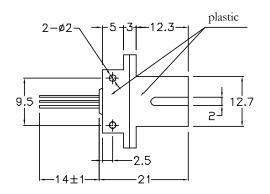


ST Receptacle R-11-055-R-SST-XX





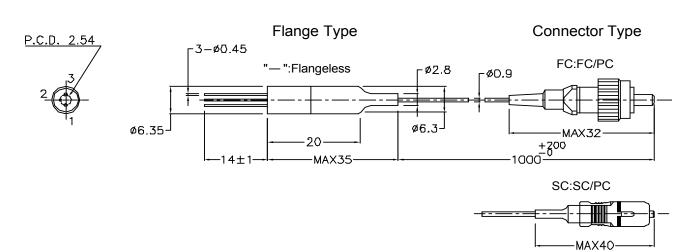
SC Receptacle R-11-055-R-SSC-XX

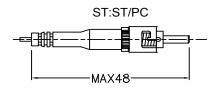


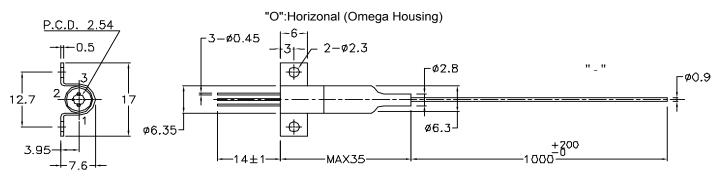
Packaging Dimension

Units in mm

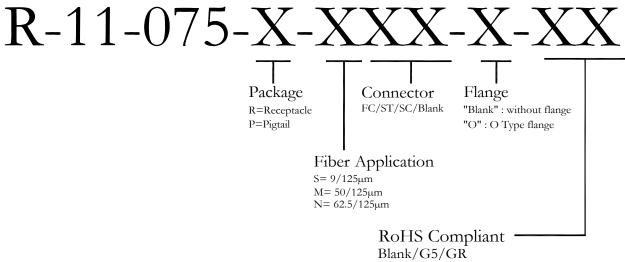
# PIN TIA Receiver Module-Pigtail Part Number: R-11-055-P-XXX-X-XX







**Ordering Information** 



Blank = RoHS non-compliant product

G5 = RoHS 5/6-compliant product (lead exemption) GR = Full RoHS compliant product (no exemption)

## Warnings

Handling Precautions: This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is highly recommended. Follow guidelines according to proper ESD procedures.

Laser Safety: Radiation emitted by laser devices can be dangerous to human eyes. Avoid eye exposure to direct or indirect radiation.

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